

Application No. 10/541,941
Amendment Dated July 5, 2006
Reply to Office Action Dated April 5, 2006

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STATUS

The above-captioned patent application is pending.

Claims 1-13 are pending in this patent application.

Claims 1-13 have been objected to under 35 USC 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

Claims 1-3, 6-8 and 10-13 have been rejected under 35 USC 102(b) as being anticipated by Leehey (US 2,926,623).

Claims 4 and 5 have been rejected under 35 USC 103(a) as being unpatentable over Leehey in view of Warner et al. (US 4,345,538).

Claim 9 has been rejected under 35 USC 103(a) as being unpatentable over Leehey in view of Sachs (US 4,056,074).

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SUMMARY OF USPTO FEES ENCLOSED HEREWITH

1. No Excess Claims Fees

Claims fees for thirteen (13) total claims and two (2) independent claims have been submitted. This response and amendment results in fourteen (14) total claims and three (3) independent claims. As such, no additional claims fee is due.

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CLAIMS AMENDMENTS

1. (Currently amended) A device for watercrafts, ~~in particular~~ of the type with a fully planing or semi-planing bottom, comprising: at least one transversal element constrained to the watercraft at a predetermined distance from the bottom and suitable to increase the hydrodynamic lift on said bottom.
2. (Original) The device of Claim 1, wherein said transversal element comprises an upper surface that faces said bottom and a lower surface opposite to said upper surface, said transversal element being subject to a lifting force perpendicular to said lower surface owing to the difference of pressure between the two surfaces when it is located in a flow.
3. (Original) The device of Claim 1, wherein said at least one transversal element is arranged substantially parallel or slightly inclined with respect to said bottom.
4. (Original) The device according to Claim 2, wherein means are provided for adjusting the inclination of at least one part of the surface of said at least one transversal element with respect to the bottom.
5. (Currently amended) The device according to Claim 3, wherein means are provided for adjusting the inclination of at least one part of the surface of said at least one transversal element with respect to said bottom.
6. (Original) The device of Claim 1, wherein said at least one transversal element is arranged below said bottom at the barycenter of said watercraft.
7. (Original) The device of Claim 1, wherein said at least one transversal element is arranged below said bottom shifted with respect to the barycenter of said watercraft for giving a trimming correction to said watercraft.
8. (Original) The device of Claim 1, wherein said at least one transversal element is constrained below said bottom of said watercraft by at least a support element substantially orthogonal to the waterline.
9. (Currently amended) The device of Claim 98, wherein said at least one support element is a shaped plate with an opening, said plate being arranged substantially orthogonal to the waterline.

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10. (Original) The device of Claim 1, wherein at least one transversal element comprises a substantially V-shaped single part arranged transversally to said bottom of said watercraft, said single shaped part being arranged substantially transversal to said bottom of said watercraft for substantially all its width and more.
11. (Original) The device of Claim 1, where at least one first and at least one second transversal element are provided fixed in different points of said bottom symmetrically to its longitudinal midplane.
12. (Original) The device of Claim 1, where at least one first and one second transversal element arranged are provided with the respective surfaces substantially parallel.
13. (Original) A watercraft, comprising: a bottom having at least one lifting device comprising at least one transversal element constrained to the watercraft at a predetermined distance from the bottom and suitable to increase the hydrodynamic lift on said bottom, said transversal element comprising an upper surface that faces said bottom and a lower surface opposite to said upper surface, said transversal element being subject to a lifting force perpendicular to said lower surface owing to the difference of pressure between the two surfaces when it is located in a flow.
14. (New) A device for watercrafts of the type with a fully planing or semi-planing bottom to increase the hydrodynamic lift on the bottom, comprising: at least one transverse element associated with the watercraft at a predetermined distance from the bottom and arranged substantially at the barycenter of the watercraft, said at least one transverse element comprising at least one V-shaped surface generally conforming to approximately the V-shape of the bottom of the watercraft.